

Human SAA1 ELISA Kit | SAA1 elisa kit

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CATALOG #
AAA27871

REACTIVITY
Human

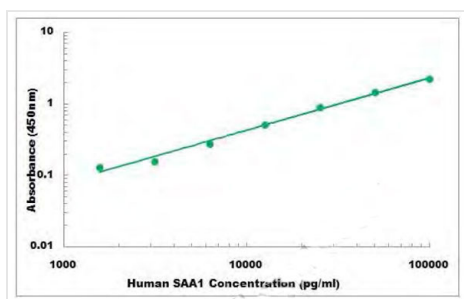
PRODUCT SYNONYMS

SAA1; Human SAA1 ELISA Kit; Serum amyloid A-1 protein; SAA; SAA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human SAA1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human SAA1 proteins within the range of 1560 pg/ml - 100000 pg/ml.
Sequence Length	122
Samples	Culture Supernates, Serum, Plasma
Sensitivity	< 150 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAA1 elisa kit

Background: Serum amyloid A protein (SAA), also known as SAA1, is a protein that in humans is encoded by the SAA1 gene. This gene encodes a member of the serum amyloid A family of apolipoproteins. It is mapped to 11p15.1. SAA is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease. This protein may also be a potential biomarker for certain tumors.

Principle of the Assay: The Human SAA1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human SAA1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human SAA1 coated on a 96-well plate. Standards and samples are pipetted into the wells and SAA1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human SAA1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of SAA1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316912
NCBI GeneID	6288
NCBI Accession #	NP_000322.2
NCBI GenBank Nucleotide #	NM_000331.5
UniProt Accession #	P0DJ18; P02735; P02736; P02737; Q16730; Q16834; Q16835; Q16879; Q3KRB3; Q6FG67; Q96QN0; Q9UCK9
Molecular Weight	13,532 Da
NCBI Official Full Name	serum amyloid A-1 protein preproprotein
NCBI Official Synonym Full Names	serum amyloid A1
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA; PIG4; SAA2; TP53I4
NCBI Protein Information	serum amyloid A-1 protein
UniProt Protein Name	Serum amyloid A-1 protein
UniProt Gene Name	SAA1
UniProt Synonym Gene Names	SAA
UniProt Entry Name	SAA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/saa1/27871>